



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/510,068  
Source: PCT  
Date Processed by STIC: 10-12-04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS.

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):  
U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

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# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 10/510,068

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos    The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was refiled in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length    The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering    The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII    The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length    Sequence(s)      contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>.<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"    A "bug" in PatentIn version 2.0 has caused the <220>.<223> section to be missing from amino acid sequences(s)     . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>.<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>.<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)    Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence:  
    (2) INFORMATION FOR SEQ ID NO: X (insert SEQ ID NO where "X" is shown)  
    (i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading!)  
    (xi) SEQUENCE DESCRIPTION SEQ ID NO: X (insert SEQ ID NO where "X" is shown)  
    This sequence is intentionally skipped.  
    Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)    Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence:  
    <210> sequence id number  
    <400> sequence id number  
    000  
    ← Format
- 9      Use of n's or Xaa's  
    (NEW RULES)    Use of n's and/or Xaa's have been detected in the Sequence Listing.  
    Per 1.823 of Sequence Rules, use of <220>.<223> is MANDATORY if n's or Xaa's are present.  
    In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response    Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or scientific name (Genus/species). <220>.<223> section is required when <213> response is Unknown or is Artificial Sequence.
- 11      Use of <220>    Sequence(s)      missing the <220> "Feature" and associated numeric identifiers and responses.  
    Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
    (See "Federal Register," 00/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"    Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n/Xaa    "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid.

AMC - Biotechnology Systems Branch - 09/09/2003

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PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/510,068

DATE: 10/12/2004

TIME: 11:53:12

Input Set : A:\21075Y SEQLIST.TXT

Output Set: N:\CRF4\10122004\J510068.raw

4 <110> APPLICANT: Merck & Co., Inc.  
 5 Barnett, Stanley F.  
 6 DeFeo-Jones, Deborah  
 7 Hartman, George D.  
 8 Haskell, Kathleen M.  
 9 Huber, Hans E.  
 10 Nahas, Deborah D.  
 11 Lindsley, Craig W.  
 12 Zhao, Zhijian  
 14 <120> TITLE OF INVENTION: Method of Treating Cancer  
 17 <130> FILE REFERENCE: 21075Y  
 C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/510,068  
 C--> 19 <141> CURRENT FILING DATE: 2004-10-04  
 19 <150> PRIOR APPLICATION NUMBER: 60/370,827  
 20 <151> PRIOR FILING DATE: 2002-04-08  
 22 <150> PRIOR APPLICATION NUMBER: 60/417,202  
 23 <151> PRIOR FILING DATE: 2002-10-09  
 25 <160> NUMBER OF SEQ ID NOS: 22  
 27 <170> SOFTWARE: FastSEQ for Windows Version 4.0.  
 29 <210> SEQ ID NO: 1  
 31 <220> FEATURE:  
 32 <223> OTHER INFORMATION: Completely synthetic DNA Sequence  
 34 <400> SEQUENCE: 1  
 W--> 35 000  
 37 <210> SEQ ID NO: 2  
 38 <211> LENGTH: 14  
 39 <212> TYPE: DNA  
 40 <213> ORGANISM: Artificial Sequence  
 42 <220> FEATURE:  
 43 <223> OTHER INFORMATION: Completely synthetic DNA Sequence  
 45 <400> SEQUENCE: 2  
 46 gtacgcggcc gcag  
 48 <210> SEQ ID NO: 3  
 49 <211> LENGTH: 39  
 50 <212> TYPE: DNA  
 51 <213> ORGANISM: Artificial Sequence  
 53 <220> FEATURE:  
 54 <223> OTHER INFORMATION: Completely synthetic DNA Sequence  
 56 <400> SEQUENCE: 3  
 57 cgcgaattca gatctaccat gagcgacgtg gctattgtg  
 59 <210> SEQ ID NO: 4  
 60 <211> LENGTH: 33  
 61 <212> TYPE: DNA

Does Not Comply  
Corrected Diskette Needed

(pg. 1, 4)

IF this is  
 an intentionally  
 skipped sequence  
 pls see item #  
 8 on error  
 summary  
 sheet.

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/510,068

DATE: 10/12/2004

TIME: 11:53:12

Input Set : A:\21075Y SEQLIST.TXT

Output Set: N:\CRF4\10122004\J510068.raw

```

62 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Completely synthetic DNA Sequence
67 <400> SEQUENCE: 4
68 cgctctagag gatactcagg ccgtgctgct ggc 33
70 <210> SEQ ID NO: 5
71 <211> LENGTH: 24
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Completely synthetic DNA Sequence
78 <400> SEQUENCE: 5
79 gtacgatgct gaacgatatc ttcg 24
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 45
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Completely synthetic DNA Sequence
89 <400> SEQUENCE: 6
90 gaatacatgc cgatggaaag cgacggggct gaagagatgg aggtg 45
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 40
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Completely synthetic DNA Sequence
100 <400> SEQUENCE: 7
101 cccctccatc tcttcagccc cgctcgctttc catcggcattg 40
103 <210> SEQ ID NO: 8
104 <211> LENGTH: 60
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Completely synthetic DNA Sequence
111 <400> SEQUENCE: 8
112 cgcggcgcgc caggtaccat ggaatacatg ccgatggaaa agaagcagga ggaggaggag 60
115 <210> SEQ ID NO: 9
116 <211> LENGTH: 21
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Completely synthetic DNA Sequence
123 <400> SEQUENCE: 9
124 cggagaacac acgctcccgg g 21
126 <210> SEQ ID NO: 10
127 <211> LENGTH: 36
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence

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## RAW SEQUENCE LISTING

DATE: 10/12/2004

PATENT APPLICATION: US/10/510,068

TIME: 11:53:12

Input Set : A:\21075Y SEQLIST.TXT

Output Set: N:\CRF4\10122004\J510068.raw

```

131 <220> FEATURE:
132 <223> OTHER INFORMATION: Completely synthetic DNA Sequence
134 <400> SEQUENCE: 10
135 gaattcagat ctaccatgag cgatgttacc attgtg          36
137 <210> SEQ ID NO: 11
138 <211> LENGTH: 30
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Completely synthetic DNA Sequence
145 <400> SEQUENCE: 11
146 tctagatctt attctcgtcc acttgcagag          30
148 <210> SEQ ID NO: 12
149 <211> LENGTH: 48
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Completely synthetic DNA Sequence
156 <400> SEQUENCE: 12
157 ggtaccatgg aatacatgcc gatggaaagc gatgttacca ttgtgaag      48
159 <210> SEQ ID NO: 13
160 <211> LENGTH: 58
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Completely synthetic DNA Sequence
167 <400> SEQUENCE: 13
168 cgcaggtacc atggaatata tgccgatgga aagcgatgga gaggaagaga tggatgcc  58
170 <210> SEQ ID NO: 14
171 <211> LENGTH: 33
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Completely synthetic DNA Sequence
178 <400> SEQUENCE: 14
179 cgctctagat cttattctcg tccacttgca gag          33
181 <210> SEQ ID NO: 15
182 <211> LENGTH: 33
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Completely synthetic DNA Sequence
189 <400> SEQUENCE: 15
190 aagcttagat ctaccatgaa tgaggtgtct gtc          33
192 <210> SEQ ID NO: 16
193 <211> LENGTH: 30
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:

```

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PATENT APPLICATION: US/10/510,068

TIME: 11:53:12

Input Set : A:\21075Y SEQLIST.TXT

Output Set: N:\CRF4\10122004\J510068.raw

198 <223> OTHER INFORMATION: Completely synthetic DNA Sequence  
200 <400> SEQUENCE: 16  
201 gaattcggat cctcactcgc ggatgctggc 30  
203 <210> SEQ ID NO: 17  
204 <211> LENGTH: 49  
205 <212> TYPE: DNA  
206 <213> ORGANISM: Artificial Sequence  
208 <220> FEATURE:  
209 <223> OTHER INFORMATION: Completely synthetic DNA Sequence  
211 <400> SEQUENCE: 17  
212 ggtaccatgg aatacatgcc gatggaaaat gaggtgtctg tcatcaaag 49  
214 <210> SEQ ID NO: 18  
215 <211> LENGTH: 60  
216 <212> TYPE: DNA  
217 <213> ORGANISM: Artificial Sequence  
219 <220> FEATURE:  
220 <223> OTHER INFORMATION: Completely synthetic DNA Sequence  
222 <400> SEQUENCE: 18  
223 cgcaggtacc atggaatata tgccgatgga aaatgagacg actgaggaga tggaagtggc 60  
226 <210> SEQ ID NO: 19  
227 <211> LENGTH: 33  
228 <212> TYPE: DNA  
229 <213> ORGANISM: Artificial Sequence  
231 <220> FEATURE:  
232 <223> OTHER INFORMATION: Completely synthetic DNA Sequence  
234 <400> SEQUENCE: 19  
235 cgcgaattcg gatcctcact cgcggatgct ggc 33  
237 <210> SEQ ID NO: 20  
238 <211> LENGTH: 6  
239 <212> TYPE: PRT  
240 <213> ORGANISM: Artificial Sequence  
242 <220> FEATURE:  
243 <223> OTHER INFORMATION: Completely synthetic Amino Acid Sequence  
245 <400> SEQUENCE: 20  
246 Glu Tyr Met Pro Met Glu  
247 1 5  
250 <210> SEQ ID NO: 21  
251 <211> LENGTH: 13  
252 <212> TYPE: PRT  
253 <213> ORGANISM: Artificial Sequence  
255 <220> FEATURE:  
256 <223> OTHER INFORMATION: Completely synthetic Amino Acid Sequence  
258 <400> SEQUENCE: 21  
259 Gly Gly Arg Ala Arg Thr Ser Ser Phe Ala Glu Pro Gly  
260 1 5 10  
263 <210> SEQ ID NO: 22  
265 <220> FEATURE:  
266 <223> OTHER INFORMATION: Completely synthetic Amino Acid Sequence  
268 <400> SEQUENCE: 22

ITF This is an  
intentionally skipped sequence  
pls see item #8 on  
error summary sheet.  
10/12/04

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/510,068

DATE: 10/12/2004

TIME: 11:53:12

Input Set : A:\21075Y SEQLIST.TXT

Output Set: N:\CRF4\10122004\J510068.raw

W--> 269 000

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/510,068

DATE: 10/12/2004

TIME: 11:53:13

Input Set : A:\21075Y SEQLIST.TXT

Output Set: N:\CRF4\10122004\J510068.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application No

L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:35 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (1) SEQUENCE:

L:269 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (22) SEQUENCE: